

Online Resource 4: Results of the Newcastle-Ottawa Scale quality assessment for (a) falls and (b) fractures

Article title: Sarcopenia and its Association with Falls and Fractures in Older Adults: A Systematic Review and Meta-Analysis

Journal name: Journal of Cachexia, Sarcopenia and Muscle

Author names: Suey S.Y. Yeung, Esmee M. Reijnierse, Vivien K. Pham, Marijke C.

Trappenburg; Wen Kwang Lim, Carel G.M. Meskers, Andrea B. Maier

Corresponding author: Andrea B. Maier, Department of Medicine and Aged Care, The Royal Melbourne Hospital, The University of Melbourne, City Campus, Level 6 North, 300 Grattan Street, Parkville, Victoria 3050, Australia

E: andrea.maier@mh.org.au; T: +61 3 9342 2635; F: +61 3 9342 7866

(a)

Cohort studies												
Author	Year	Selection				Comparability		Outcome			Score	Quality
		Representativeness	Selection	Ascertainment	Outcome was not present at start of study	Adjustment for confounders	Assessment	Duration of follow-up	Completeness of follow-up			
Bischoff-Ferrari	2015	*	*	*	*	**	-	*	*	8	High	
Buckinx	2018	*	*	*	*	-	*	*	*	7	High	
Henwood	2017	*	*	*	*	**	*	*	*	9	High	
Landi	2012	*	*	-	*	-	-	*	-	4	Low	
Matsumoto	2017	*	*	*	*	**	-	*	-	7	High	
Menant	2017	*	*	*	*	-	-	*	*	6	Low	
Schaap	2017	*	*	*	*	**	-	*	*	8	High	
Van Puyenbroeck	2012	*	*	*	*	-	*	-	*	6	Low	

Cross-sectional studies											
Author	Year	Selection			Comparability		Outcome		Score	Quality	
		Representativeness	Selection	Ascertainment	Adjustment for confounders	Assessment	Response rate				
Bae	2017	*	*	*	**	-	-	5	High		
Benjumea	2018	*	*	-	-	-	-	2	Low		
Chalhoub	2015	*	*	*	-	-	-	3	Low		
Clynes	2015	*	*	*	**	-	-	5	High		
Dietzel	2015	*	*	*	*	-	-	4	High		
Gadelha	2018	*	*	-	-	-	-	2	Low		
Lera	2017	*	*	*	**	-	-	5	High		
Martinez	2015	*	*	-	-	-	-	2	Low		
Meng	2015	*	*	*	-	-	-	3	Low		
Sjöblom	2013	*	*	*	**	-	-	5	High		
Tanimoto	2014	*	*	*	**	-	-	5	High		
Trajanoska	2018	*	*	*	-	-	-	3	Low		
Woo	2014	*	*	*	**	-	*	6	High		
Yamada	2013	*	*	*	-	-	-	3	Low		

(b)

Cohort studies												
Author	Year	Selection				Comparability		Outcome			Score	Quality
		Representativeness	Selection	Ascertainment	Outcome was not present at start of study	Adjustment for confounders	Assessment	Duration of follow-up	Completeness of follow-up			
Cawthon	2015	*	*	*	*	**	*	*	*	9	High	
Chalhoub	2015	*	*	*	*	-	*	*	*	7	High	
Hars	2016	*	*	*	*	**	*	*	*	9	High	
Schaap	2017	*	*	*	*	**	*	*	*	9	High	
Scott	2017	*	*	*	*	-	*	*	-	6	Low	
Steihaug	2018	*	*	-	*	-	*	*	*	6	Low	
Yu	2014a	*	*	*	*	-	*	*	*	7	High	
Cross-sectional studies												
Author	Year	Selection			Comparability		Outcome		Score	Quality		
		Representativeness	Selection	Ascertainment	Adjustment for confounders	Assessment	Response rate					
Clynes	2015	*	*	*	**	-	-	5	High			
Hida	2013	*	*	*	**	*	*	7	High			
Hida	2016	*	*	*	**	*	*	7	High			
Hong	2015	*	*	*	-	*	-	4	High			
Huo	2015a	*	*	*	-	-	-	3	Low			
Huo	2016	*	*	*	-	-	-	3	Low			
Locquet	2017	*	*	*	-	-	-	3	Low			
Sjöblom	2013	*	*	*	**	*	-	6	High			
Trajanoska	2018	*	*	*	-	*	-	4	High			
Yoshimura	2017	*	*	*	-	*	*	5	High			
Case-control studies												
Author	Year	Selection				Comparability		Exposure		Score	Quality	
		Definition of cases	Representativeness	Selection of controls	Definition of controls	Adjustment for confounders	Ascertainment	Same ascertainment for cases & controls	Response rate			
Iolascon	2015	*	*	*	*	**	*	*	-	8	High	
Yoo	2016	*	*	-	*	**	*	*	-	7	High	